

# JACOB SUNIA

## PROGRAMMING ASSIGNMENT CECS 229

```
In [5]: def myFilter(L,num):  
        return [i for i in L if (i % num != 0)]  
L = [1,2,4,5,7]  
myFilter(L,2)
```

Out[5]: [1, 5, 7]

```
In [18]: def my_lists(L):  
         return [list(range(1,i+1)) for i in L]  
  
my_lists([1,2,4])
```

Out[18]: [[1], [1, 2], [1, 2, 3, 4]]

```
In [3]: def my_function_composition(f,g):  
        return {i : g[f[i]] for i in f.keys()}  
  
f = {0:'a',1:'b'}  
g = {'a':'apple','b':'banana'}  
my_function_composition(f,g)
```

Out[3]: {0: 'apple', 1: 'banana'}

```
In [26]: def mySum(L):  
         summ = 0  
         for i in L:  
             summ += i  
         return summ  
  
mySum([1,2,3,4])
```

Out[26]: 10

```
In [1]: def myProduct(L):  
        x = 1  
  
        for i in L:  
            x *= i  
        return x  
  
myProduct([1,2,3,4,5])
```

Out[1]: 120

```
In [4]: import math  
def myMin(L):  
    x = math.inf  
    for i in L:  
        x = min(x, i)  
    return(x)  
  
arr = [1,2,3,4,0]  
myMin(arr)
```

Out[4]: 0

In [ ]: